

A catalogue of the type specimens of Riodinidae and Lycaenidae deposited in the collection of Zoologisches Forschungsinstitut und Museum Alexander Koenig (Bonn)

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Summary. A revision of the Lepidoptera collection of the Zoologisches Forschungsinstitut und Museum Alexander Koenig (Bonn) showed it to contain the type material of 3 nominal species group taxa of Riodinidae and 53 of Lycaenidae. 7 label names are established to be unavailable as infrasubspecific, preoccupied (published replacement names are cited) and/or unpublished. In 6 cases unavailable subsequent “paratype” and “lectotype” designation was found. Among others, the collection contains the type materials of W. Forster, J. P. Rambur, C. Ribbe, I. de Sagarra, R. Verity and R. Züllich.

Zusammenfassung. Die Durchsicht der Lepidoptera-Sammlung des Zoologischen Forschungsinstituts und Museums Alexander Koenig (Bonn) ergab, daß das Typenmaterial von 3 nominellen Taxa der Artgruppe bei den Riodinidae und von 53 Taxa bei den Lycaenidae enthalten war. 7 Etiketten-Namen wurden als nicht verfügbar festgestellt, weil sie infrasubspezifisch, praecoccupiert (veröffentlichte Ersatznamen werden aufgeführt) und/oder unpubliziert sind. In 6 Fällen wurde eine nicht verfügbare Festlegung von Paratypen und Lectotypen gefunden. Unter anderem enthält die Sammlung Typenmaterial von W. Forster, J. P. Rambur, C. Ribbe, I. de Sagarra, R. Verity and R. Züllich u.a.

Résumé. Une révision de la collection de lépidoptères du Zoologisches Forschungsinstitut und Museum Alexander Koenig (Bonn) a révélé que celle-ci contient le matériel-type de 3 taxa nominatifs du groupe-espèce parmi les Riodinidae et de 53 parmi les Lycaenidae. 7 noms d'étiquettes sont établis comme non-disponibles, étant infrasubspécifiques, préoccupés (des noms de remplacement publiés sont cités) et/ou non-publiés. Dans 6 cas, une désignation ultérieure et non-disponible de paratypes et de lectotypes a été trouvée. La collection contient, entre autres, du matériel-type de W. Forster, J. P. Rambur, C. Ribbe, I. de Sagarra, R. Verity et R. Züllich.

Key words: Lepidoptera, Riodinidae, Lycaenidae, collections, type specimens, nomenclature.

This catalogue is one of the results of the author's research visit to the Zoologisches Forschungsinstitut und Museum Alexander Koenig during September–November 1997 sponsored by the Deutsche Forschungsgemeinschaft. A closer examination of the Riodinidae/Lycaenidae section of the Lepidoptera collection, one of the largest and most important in Germany, allowed to find a rich type material, most of which, up to the present, was out of proper attention of researchers. The aim of this publication is to make this material available and to return it to the scientific circulation.

The species-group taxa names are arranged here in alphabetical order, separately for Riodinidae and Lycaenidae. Each entry begins with the species-group name originally applied to the type specimens; available names are given in boldface, unavailable (infrasubspecific, replaced homonyms, unpublished) in lightface characters. This heading is followed by the original combination quoted from the primary sources (original descriptions); type specimens as specified in the original description (holotype, allotype, paratype, syntype, cotype, type, topotype, metatype) are classified to four classes of nomenclatural types defined and regulated by the International Code of Zoological Nomenclature (ICZN) as name-bearing types: holotype, allotype (if originally designated), paratype and syntype. Unavailable designated specimens, since they are in the collection, are cited under paragraph heading in single quotation marks and '*in italics*'. For each specimen the label text is quoted in double quotation marks in following order: locality label; accessory label(s) (origin, depository, inventory nos. etc.); designation label. To assist better recognition of the specimen, each label is provided with characteristics of the paper on which it is written. Each line in the label text is separated in run-in quotations by a virgule (/). All extensions of abbreviations used in the label text are enclosed in square brackets except for *kurentzovi*, where the square brackets originally enclose the word "Paratype" on designation labels. In quotations of combined labels (handwritten on printed forms), the handwritten text is reproduced in *italics*; completely handwritten and completely printed labels are quoted in a standard character face.

RIODINIDAE

hoenei Forster, 1951

"*Dodona hoenei* sp. n." Forster, 1951: 64, Taf. 5, Abb. 8.

Holotype:

- ♂ with labels: printed "Li-kiang (China) / Provinz Nord-Yuennan. / 15.8.1934. H. Höne" (on yellowish paper); handwritten (Forster) on printed form "Holo-Typus ♂ / *Dodona hoenei* / Forster / W. Forster München" (on pink paper).

Allotype:

- ♀ with same locality label (8.9.1934); handwritten (Forster) on printed form "Allo-Typus ♀ / *Dodona hoenei* Forster / W. Forster München" (on pink paper).

Paratype:

- ♂ with same locality label (20.8.1934) and handwritten (Forster) on printed form "Para-Typus ♂ / *Dodona hoenei* Forster / W. Forster München" (on pink paper).

minor Forster, 1951

"*Polycaena lua* Gr. Gr. *minor* ssp. nov." Forster, 1951: 63, Taf. 4, Abb. 3.

Holotype:

- ♂ with labels: printed "Batang (Tibet). / Alpine Zone (ca. 5000 m) / 21.6.1938 H. Höne" (on dirty grey paper); handwritten (Forster) on printed form "Holo-Typus ♂ / *Polycaena lua* / ssp. *minor* Forster / W. Forster München" (on pink paper).

Paratypes:

- 3♂ with same locality labels (16.6, 20.6, 31.7.1938) and handwritten (Forster) on printed form "Para-Typus ♂ / *Polycaena lua* / ssp. *minor* Forster / W. Forster München" (on pink paper).

pallidior Forster, 1951

"*Polycaena chauchowensis* Mell *pallidior* ssp. nov." Forster, 1951: 62, Taf. 4, Abb. 1, 2.

Holotype:

- ♂ with labels: printed "Li-kiang (China) / Provinz Nord-Yuennan. / 1.9.1935. H. Höne" (on yellowish paper); hand-

written (Forster) on printed form “Holo-Typus ♂ / *Polycaena chanchowensis* / ssp. *pallidior* Forst. / W. Forster München” (on pink paper).

Allotype:

- ♀ with same locality label (13.10.1934); handwritten (Forster) on printed form “Allo-Typus ♀ / *Polycaena chanchowensis* / ssp. *pallidior* Forst. / W. Forster München” (on pink paper).

Paratypes:

- 7♂, 2♀ with same locality labels (different dates) and printed labels “Para-Typus...” with the same text as for holo- and allotype (on pink paper).

LYCAENIDAE

ainonica Murayama, 1952

“*Celastrina sugitanii ainonica* (ssp. nov.)” Murayama, 1952: 1 (Japanese text), 3 (English translation), figs. 2, 4, 5.

Paratypes:

- 2♂ with labels: handwritten (unknown hand) “Hokkaido Japan / Okusibetu / 16.VI.1947 / leg. Murayama” (on white paper); printed “Paratypus” (on red paper in box). One of specimens bears also handwritten (Murayama) labels on glassine paper (folded): “Hokkaido / Okusibetu / 16.VI.1947 / JAPAN” and “*Celastrina sugitanii* / *ainonicus* ♂♂ / PARATYPE”.

amelia Hemming, 1927

“*Turania amelia* nov. sp.” Hemming, 1927: 277.

Paratype:

- ♂ with labels: printed “PORTUGAL / Alemtejo, 10 m. / 24.4.1927 Querci” (on white paper, folded); handwritten “662” (on crosslined notebook paper); printed “9/57 ex coll. / R. Oberthür” (on blue paper); handwritten (de Sagarra?) on printed form “PARATYPE / *S.[colitantides]* *amelia* Hemm. / from typical series” (on green paper).

In recent literature this taxon is considered as a subspecies of *Pseudophilotes abencerragus* Pierret, 1837 (see also Hemming, 1929: 27, 84, pl. 1, fig. 3).

***andarabi* Forster, 1937**

"*Lycaena pheretiades andarabi* ssp. nov." Forster, 1937: 61, Taf. 4, Abb. 28, 29, Taf. 5, Abb. 28, 29.

Paratype:

- ♂ with labels: printed "Nord-Ost-Hindukusch / Nuksan-Pass-Nordseite / Alpenwisenzone / 3500-4000 m Mitte Juli / leg. H. & E. Kotzsch" (on white paper); printed "110." (on white paper); handwritten (unknown hand) "pheretiades / v. andarabi / Forst."; handwritten (Forster) on printed form "Para-Type / Lyc.[aena] / *pheretiades* / *andarabi* Forst. / W. Forster München" (on pink paper).

***angustimargo* Howarth, 1957**

"*Neozephyrus souleana* Riley ssp. *angustimargo* ssp. n." Howarth, 1957: 258, Figs. 75, 85.

Paratypes:

- 8♂ with printed labels "Li-kiang (China) / Provinz Nord-Yuennan. / 20.6, 14.7, 15.7, 16.7.1935" (on yellow paper); one specimen with removed abdomen (15.7) bears a printed label with handwritten (Howarth) inscription "T. G. H.[owarth] / 1955 / 172" (on white paper); one specimen with removed abdomen (16.7) bears a printed label with handwritten (Howarth) inscription "T. G. H.[owarth] / 1954-62" (on white paper); one specimen bears a handwritten (Howarth) label "*Neozephyrus* / *souleana* / *angustimargo* / *Hth*" on printed form "det. T. G. Howarth 1955" (on white paper); each specimen is designated with a circle printed label with yellow margin "Para- / type".

***araxiana* Koçak, 1979**

"*Agrodiaetus (Sublysandra) myrrhus araxiana* n. subsp." Koçak, 1980: 266, figs. 7-9.

Paratype:

- ♂, with labels: printed "Turkei / Kars / Akçay / 1500-1700 m / 22.-28.7.[19]76 / *Eckweiler* leg." (on white paper); "Museum A Koenig / Eing. Nr. 87/202 / ex. Coll. Eckweiler (on white paper); handwritten (Koçak) on printed form "PARATYPUS ♂ / *Agrodiaetus* / (*Sublysandra*) *myrrha araxiana* Koçak, 1979" (on red paper).

***asturiensis* de Sagarra, 1924**

"*Agriades corydonius*, H. S. *rassa asturiensis*, nova rassa" de Sagarra, 1924: 202.

Paratype:

- ♀ with labels: printed "ASTURIAS / Pajares m. 1300 / 8 VIII.[19]24 Querci" (on white paper); handwritten "404" (on crosslined notebook paper); handwritten on printed form "TOPOTYPE / taken with type / *A.[griades] corydonius H.S. / asturiensis Sag.*" (on green paper).

In case whether the specimen was labelled "topotype taken with type", this "topotype" designation suggests its paratype status unless the author deliberately limited the type series to contain specimens by his choice. The original description provides following data: "Tipus de Pajares, 1300 mts., 16-VIII-[19]24. (en Col. Mus. Cièn. Nat. de Barcelona) Romei leg."

***atayalicus* Shirôzu & Murayama, 1943**

Thecla atayalica Shirôzu & Murayama, 1943 — Ent.World 11(107): 2-4, fig. 1, 2 (not seen).

Paratype:

- ♂ with labels: (no locality label); handwritten (Murayama) "Leucantigius / atayalicus ♂ / PARATYPE" (on glassine paper, folded); printed "Paratype" (on red paper).

***bieneri* Forster, 1941**

"*Celastrina argiolus* L. *bieneri* ssp. nov." Forster, 1941: 614, Taf. 21, Abb. 3, 4; Taf. 22, Abb. 3, 4.

Paratypes:

- 2♂ with labels: printed "Chita (10) (Transbaikal) / Mai 1926. V. Tolmachov" (on pale orange paper); handwritten (Forster) on printed form "Para-Type ♂ / *Celastrina argiolus / ssp. bieneri Forst. / Dr. W. Forster München*" (on pink paper).

***bofilli* de Sagarra, 1924**

"*Strymon spini*, Schiff., *rassa bofilli*, nova rassa" de Sagarra, 1924: 200.

Paratypes:

- ♂ with labels: printed "ARAGON / Albarracin m. 1100 / 26 VI.[19]24 Querci"; handwritten "551" (on crosslined notebook paper); handwritten on printed form "PARATYPE /

S.[trymon] spini Schiff. / bofilli Sag / dull form" (on blue paper); printed "Paratypus" (on red paper).

- ♂ with same locality label (4.VII.[19]24); handwritten "553" (on crosslined notebook paper); handwritten on printed form "PARATYPE / *S.[trymon] spini Schiff. / bofilli Sag / bright form*" (on blue paper); printed "Paratypus" (on red paper).

brevicaudata Püngeler

Unpublished.

Syntype:

- ♀ with labels: handwritten "brevicaudata / Püng.[eler] / Zermatt" (on white paper, in eight-cornered box); handwritten on printed form "COTYPE / *brevicauda- / ta / v. d. Goltz*" (on blue paper, in box). — *Satyrium spini* ([Denis & Schiffermüller], [1775]).

camboi de Sagarra, 1926

"*Strimon* [sic !] *esculi* Hb. *rassa camboi, nova rassa*" de Sagarra, 1926: 135.

Paratypes:

- ♂ with labels: printed "CATALONIA / Llinas 200 m. / 17.6.[19]25 Querci" (on white paper); handwritten "565" (on crosslined notebook paper); handwritten (de Sagarra?) on a printed form "PARATYPE / *S.[atyrium] esculi Hb. / camboi Sag.*" (on blue paper); printed "Paratype" (on red paper).
- ♂ (uncertain status) with labels: printed with handwritten notes "PORTUGAL / Algarve, 500 m. / 27.5.[19]28 Querci" (on white paper); handwritten "559" (on crosslined notebook paper); handwritten (de Sagarra?) on a printed form "PARATYPE / *S.[atyrium] esculi Hb. / type like.*" (on blue paper); printed "Paratype" (on red paper).

deinareton Fruhstorfer, 1917

"*Chr.[ysophanus] alciphron deinareton* subsp. *nova*" Fruhstorfer, 1917: 18.

'Paratype'

- ♂ with labels: printed "PIZZO TRE VESSOVI m. 1200 / ASCOLI PICENO Italia Centr. / Querci 25-30 Luglio 1923"

(on dirty white paper); handwritten "599" (on cross lined notebook paper); printed "9/57, ex coll. / R. Oberthür" (on blue paper); handwritten on printed form "PARATYPE / L.[ycaena] alciphron Rott. / deinareton Fr." (on blue paper). — Subsequent paratype designation, not available.

***diversa* de Sagarra, 1926**

"*Scolitantides melanops* B. rassa *diversa*, nova rassa." de Sagarra, 1926: 137.

Paratype:

- ♂ (abdomen missing) with labels: printed "CATALONIA / Llinas 200 m. / 28.5.[19]25 Querci" (on white paper); printed "9/57 ex coll. / R. Oberthür" (on blue paper).

A comparison of the locality label text with data given in the original description ("Sèrie típica... Llinàs, V. (Querci leg.)"; for year – 1925 – see p. 129) confirms the specimen to belong to the type series as a paratype. This specimen is signified now with a printed label "*melanops diversa* / de Sagarra / PARATYPUS / Y. Nekrutenko det. 1997" (on yellow paper).

***erzurumensis* Eckweiler & Hesselbarth, 1978**

"*Agriades pyrenaicus erzurumensis* n. subsp." Eckweiler & Hesselbarth, 1978: 65, Abb.1-4.

Paratypes:

- 3♂ with printed labels: "Türkei/Erzurum / Palandöken Dag / 2900–3100 m / 27.7–31.7.[19]77 / leg. Eckweiler" (on white paper); "Paratypus ♂ / *Agriades pyrenaicus* / ssp. *erzurumensis* / des. ECKWEILER et / HESSELBARTH 1978"; one of the paratypes bears a printed label with handwritten inscription "Museum A. Koenig / Eing. Nr. 87/202 / ex coll. *Eckweiler*" (on white paper, in box).

***farsica* Rose & Schurian, 1977**

"*Apharitis myrmecophila farsica* n. ssp." Rose & Schurian, 1977: 146, Abb. 1.

Paratype:

- ♂ with printed labels: "Südiran / Dasht-e-Arjan, / 2000–2200 m, / 60–70 km westl. Shiraz / prov. Fars / 15–26.5.1976 / leg." (on white paper, in box); "ZFMK / 81/90/91" (on

white paper, type writer); “Paratypus / Apaharitis myrmecophila Dumont / ssp. farsica / 1977 ROSE u. SCHURIAN” (on red paper, in box).

***ferdinandi* de Sagarra, 1926**

“*Agriades thersites* (Cant.) Chapman rassa *ferdinandi* nova rassa. II.^a generació *ferdinandi*” de Sagarra, 1926: 138.

Paratypes:

- ♂ with labels: printed “CATALONIA / Llinas 200 m. / 18 7.[19]25 Querci” (on white paper); handwritten “404” (on crosslined notebook paper); handwritten on printed form “TOPOTYPE / taken with type / *A.[griades] thersites Chap. / ferdinandi Sag.*” (on green paper).
- ♀ with labels: printed “CATALONIA / Llinas 200 m. / 18 7.[19]25 Querci” (on white paper); handwritten “708” (on crosslined notebook paper); handwritten on printed form “TOPOTYPE / taken with type / *A.[griades] thersites Chap. / ferdinandi Sag.*” (on green paper).

In case whether the specimen was labelled as “topotype taken with type” this “topotype” designation suggests its paratype status unless the author deliberately limited the type series to contain specimens by his choice. The original description provides following data: “Tipus dels pujols entre Vilamajor i Llinas, VII. [1925 — for year see op. cit. p. 129] (Querci Sagarra leg.)”

***florianii* Bozano, 1996**

“*Teratozephyrus florianii* Bozano sp. nov.” Bozano, 1996a: 206, Figs.1–4, 13, 39.

Holotype:

- ♂ (abdomen missing) with labels: printed “CHINA / Gongga Shan / Kanding SICHUAN / native collectors” (on white paper); handwritten (Bozano) “prip.[arato] 89”; printed with handwritten inscription “Museum A. Koenig / Eing. Nr. 97/498 / ex. Coll.”; handwritten (Bozano) “HOLOTYPUS / *Teratozephyrus florianii* / Bozano, 1996” (on red paper).

***fukiensis* Forster, 1941**

“*Orthomiella pontis fukiensis* ssp. nov” Forster, 1941: 625, Taf. 21, Abb. 18, Taf. 22, Abb. 18.

Holotype:

- ♂ with labels: printed “Kuantun (2300 m) 27, 40n. Br. / 117, 40ö. L. J. Klapperich / 6.4.1938 (Fukien)” (on pale pink paper); handwritten (Forster) on printed form “Holo-Type ♂ / *Orthomiella pontis* / ssp. *fukiensis* Forst. / W. Forster München” (on pink paper).

Paratypes:

- 133♂, with same locality (different dates) labels and handwritten (Forster) on printed form “Para-Type ♂ / *Orthomiella pontis* / ssp. *fukiensis* Forst. / W. Forster München” (on pink paper).

fusca de Sagarra, 1926

“*Lampides boeticus* L. gen. aut. *fusca*, nova forma” de Sagarra, 1926: 136 — infrasubspecific name.

Paratypes:

- ♂ with labels: printed “CATALONIA / Llinas 200 m. / 28.9.[19]25 Querci” (on white paper); handwritten “610” (on crosslined notebook paper); printed “9/57 ex coll. / R. Oberthür” (on blue paper); handwritten (de Sagarra?) on a printed form “PARATYPE / *L.[ampides] boeticus* / *infuscata* Sag.” (on blue paper).
- ♀ with labels: printed “CATALONIA / Llinas 200 m. / 9.9.[19]25 Querci” (on white paper); handwritten “609” (on crosslined notebook paper); printed “9/57 ex coll. / R. Oberthür” (on blue paper); handwritten (de Sagarra?) on a printed form “PARATYPE / *L.[ampides] boeticus* / *infuscata* Sag.” (on blue paper).

Labelled as *infuscata*, these specimens, collected by Querci in September 1925, were described under the name *fusca* (cf. de Sagarra 1926: 129, 137). These specimens are signified now with printed labels “*fusca* de Sagarra 1926 / PARATYPUS / Y. Nekrutenko det. 1997” (on yellow paper).

giacomazzoi Bozano, 1996

“*Satyrium giacomazzoi* spec. nov.” Bozano, 1996b: 329, Figs. 4, 5, Col. pl. 7b, Fig. 3a, 3b.

Holotype:

- ♂ with printed labels: “Jinshui m. 1200, Yang Xian / (Hu Xian Qin Ling S. slopes / Shaanxi, CHINA / 21.V.1995 E. Giacomazzo” (on white paper); “Museum A. Koenig / Eing. Nr. 96/494 ex. Coll.” (on white paper); “*Satyrium giacomazzo* / Bozano, 1995 HOLOTYPUS” (on red paper). The specimen pinned underside up.

***hersilia* Leech, 1893**

“*Cyaniris hersilia*, sp. nov.” Leech, 1893: 319, pl. 31, fig. 16, ♀.

‘Allotype’:

- ♂ with labels: printed “Kuatun (2300 m) 27, 40n Br. / 117, 408ö. L. J. Klapperich / 16.4.1938 (Fukien)” (on dirty purple paper); handwritten (Forster) on printed form “Allo-Type ♂ / *Celastrina* / *hersilia* Leech / W. Forster München” (on pink paper). — Subsequent allotype designation (originally described on females only), not available, not published (cf. Forster 1941: 606–608; ICZN, 72A).

***hespericus* Rambur, [1840]**

“*Polyommatus Hespericus*. Mihi” Rambur, [1840]: 270, pl. 10, figs 1–4. Type locality “J’ai trouvé cette belle espèce dans la même localité que *L’Agestor*...” (Rambur, op. cit.: 271); “...sur les collines, près d’Alfacar...” (Rambur, op. cit.: 270).

Syntypes:

- 2♀ with labels: handwritten (Rambur ?) “*hesperica*” (on white paper); printed “Type / Rambur” (on white paper); printed (new) “Typus” (on red paper).

As it might be deduced from the print and paper quality, these printed labels were pinned to the specimens much later than Rambur’s description appeared in press, surely when they were moved from the original collection where they all were designated in a drawer by a bottom label (a custom common to the first half 19th century). Recent status: *Plebeius pylaon hespericus* (Rambur, [1840]).

***hoenei* D’Abrera, 1993**

“*Laeosopsis hoenei* sp. nov.” D’Abrera, 1993: 405. Junior objective synonym of *praetextatus* Fujioka, 1992 (Bozano *et al.*, 1995: 14) — see *praetextatus* Fujioka below.

Holotype:

- ♀ with labels: printed (type writer) “Minshan, Shensi / 7, VII, 1987”; a circle printed label with red margin “Holo- / type”; handwritten (Fujioka) “Holotype / Laeosopis praetextatus / Fujioka, 1992”; handwritten (Ackery) “HOLOTYPE / Laeosopis / hoenei D’Abrera / det. P. Ackery, 1994” and “HOLOTYPE / Laeosopis praetextatus / Fujioka / det. P. Ackery, 1994) — ICZN Art. 72(d).

The statement “TYPE IN BERLIN MUSEUM” (D’Abrera, 1993: 405) is erroneous.

***hoenei* Forster, 1940**

“*Glaucopsyche (Sinia) lanty hoenei* ssp. nov.” Forster, 1940: 876, Taf. 22, Abb. 13, Taf. 23, Abb. 13.

Holotype:

- ♂ with labels: printed “Batang. (Tibet). Untere / Urwaldzone. (Ca. 3800 m) / 15.5 1936. H. Höne”; handwritten (Forster) on printed form “Holo-Type ♂ / *Shijimia lanty* / *hoenei* Forst. / W. Forster München” (on pink paper).

Allotype:

- ♀ with labels: same locality label (6.6 1936); handwritten (Forster) on printed form “Allo-Type ♀ / *Shijimia lantyi* / *hoenei* Forst. / W. Forster München” (on pink paper).

Paratypes:

- 15♂, 2♀ with same locality labels as holotype and allotype (10.5.–29.6 1936); handwritten (Forster) on printed form “Para-Type ♂ / *Shijimia lantyi* / *hoenei* Forst. / Dr. W. Forster München” (on pink paper).
- 5♂, 2♀ with labels: printed “Batang. (Tibet). In Tal / des Yangtse (ca. 2800 m) / (dated 5.5.–30.7.1936). H. Höne” (on grey paper); same designation label as above.
- ♂, ♀ with labels: “A-tun tse (Nord Yünnan) / obere Höhe (ca. 4500 m) / 25.6 1936 (♀ 26. 6 1936). H. Höne” (on yellow paper); same designation labels as above.

***hoenei* Forster, 1941**

“*Celastrina huegelii* Moore *hoenei* ssp. nov.” Forster, 1941: 602.

Holotype:

- ♂ with labels: printed “Makanshan / prov. Chekiang / 22.5.30 / H. Höne” (on white paper); “Präparat No. 806 / W. Forster München”; handwritten (Forster) on printed form “Holo-Type ♂ / *Celastrina huegelii* / *hönei* Forst. / W. Forster München” (on pink paper).

Allotype:

- ♀ with the same locality label (31.5.30); handwritten (Forster) on printed form “Allo-Type ♀ / *Celastrina huegelii* / *hönei* Forst. / W. Forster München” (on pink paper). Abdomen removed, pinned.

hoenei Howarth

Unpublished — see *tienmushanus* Shirôzu & Yamamoto below.

Paratypes:

- 6♂ with printed labels “West Tien-mu-shan / Prov. Chekiang / 27.6, 17.7, 22.7, 26.7, 28.7.1932. H. Höne” (on white paper); one specimen with removed abdomen bears a printed label with handwritten (Howarth) inscription “T. G. H.[owarth] / 1955 / 138” (on white paper); one specimen bears a handwritten (Howarth) label “♂ P.[ara] T.[ype] / *Neozephyrus* / *hönei* / Howarth” on printed form “det. T. G. Howarth 1955” (on white paper); each specimen is designated with a circle printed label with yellow margin “Para- / type”.

All above material is to be referred to *Neozephyrus tienmushanus* Shirôzu & Yamamoto (cf. Howarth, 1957: 255–256); a female designated as “neallotype female” (op. cit.: 256) is not in the ZFMK collection (apparently in The Natural History Museum, London).

idas Rambur, [1840]

“*Polyommatus Idas*. Mihi” Rambur, [1840]: 266, pl. 10, figs 5–7. Preoccupied name (unavailable secondary homonym) replaced by *ramburi* Verity, 1913: 189; see also Verity, 1929: 357, footnote) — see below. Type locality: “L'*Idas* se trouve sur les parties très élevées et légèrement arides de la Sierra Nevada, à plus de 2,000 mètres d'élévation.” (Rambur, op. cit.: 268).

Syntypes:

- 4♂, 3♀ with printed labels "Type / Rambur" (on white paper).

As it might be deduced from the print and paper quality, these printed labels were pinned to the specimens much later than Rambur's description appeared in press, surely when they were moved from the original collection where they all were designated in a drawer by a bottom label (a custom common to the first half 19th century). These specimens are signified now with printed labels "*idas* Rambur [1840] / SYNTYPUS / Y. Nekrutenko det. 1997" (on yellow paper).

infuscata de Sagarra

Unpublished — see *fusca* de Sagarra, 1926 above.

insignis de Sagarra, 1924

"*Loweia alciphron*, Rott., rassa *insignis*, nova rassa" de Sagarra, 1924: 201.

Paratypes:

- ♂ with labels: printed "ARAGON / Albarracin m. 1100 / 3.VII.[19]24 Querci"; handwritten "591" (on crosslined notebook paper); handwritten on printed form "PARATYPE / *L.[oweia] alciphron* Rott / *insignis* Sag." (on blue paper).
- ♀ with same locality label (20.VI.[19]24); handwritten "596" (on crosslined notebook paper); handwritten on printed form "PARATYPE / *L.[oweia] alciphron* Rott / *insignis* Sag." (on blue paper).

josephina de Sagarra, 1924

"*Agriades thersites*, (Cant.) Chapman, rassa *josephina*, nova rassa" de Sagarra, 1924: 202.

Paratypes:

- ♀ with labels: printed "ARAGON / Albarracin m. 1100 / 25.VI.[19]24 Querci"; handwritten "406" (on crosslined notebook paper); handwritten on printed form "TOPOTYPE / taken with type / *A.[griades] thersites* Chap. / *josephina* Sag." (on green paper).
- ♂ with labels: printed "ARAGON / Tramacastilla m. 1300 / 31.VI.[19]24 Romei"; handwritten "465" (on crosslined

notebook paper); handwritten on printed form “TOPO-TYPE / taken with type / *A.[griades] thersites Chap. / josephina Sag.*” (on green paper).

In case whether the specimen was labelled as “topotype taken with type”, this “topotype” designation suggests its paratype status unless the author deliberately limited the type series to contain specimens by his choice. The original description provides following data: “Tipus d’Albarracín (Aragó), 1100 mts., 28-VI-[19]24. (en Col. Mus. Cièn. Nat. de Barcelona) Romei leg.”

***juennana* Forster, 1940**

“*Glaucopsyche (Phengaris) atroguttata juennana* ssp. nov.” Forster, 1940: 877.

Paratypes:

- ♂ with labels: printed “Li-kiang. (China). / Provinz Nord Yuennan. / 7.7.1934. H. Höne” (on yellow paper); handwritten (Forster) on printed form “Para-Type ♂ / *Glaucopsyche (Phengaris) / atroguttata* [sic !] *juennana* Forst. / Dr. W. Forster München.” (on pink paper).
- 3♀ with same locality labels (2., 17.9.1934, 28.8.1935) and with same designation labels. 1♂ and 2♀ in the collection with the same locality labels not designated as paratypes; original description gives 2♂ and 2♀ paratypes from the Höne’s collection.

***kurentzovi* Sibatani, Saigusa & Hirowatari, 1994**

“*Maculinea kurentzovi* sp. nov.” Sibatani, Saigusa & Hirowatari, 1994: 196, Figs. 9, 18, 19, 20–24, 43, 44, 48.

Paratypes:

- ♂ with printed labels: “Lahasusa (Am Zinfluss / des Sungari in den / Amur) Juli 1918” (on dirty white paper); “[PARATYPE] *Maculinea kurentzovi* / Sibatani, Saigusa & Hirowatari, 1994”; “Museum A. Koenig / Eing. Nr. / ex. Coll. *loan*”; handwritten “8 296 / scale”.
- ♂ with removed right wings (pinned in a glassine paper envelope) and abdomen (genitalia pinned in a tube), with printed labels: “Chita (Transbaikal) / Juni 1920. V. Tolmachev”; “[PARATYPE] *Maculinea kurentzovi* / Sibatani, Saigusa & Hirowatari, 1994”; “Museum A. Koenig / Eing. Nr. / ex. Coll. *loan*”.

***kyushuensis* Fujioka, 1975**

"*Iratsume orsedice kyushuensis* Fujioka. ssp. nov." Fujioka, 1975: 102 (Japanese text), 281 (English translation), Pl. 62, Figs. 69–73, 75–77).

Paratype:

- ♂ with labels: printed "Mt. Sobosan (1700 m) / Oh-ita & Miyazaki-ken / July, 17–29, 1969 / Coll. S. Koiwaya" (on white paper); handwritten (Fujioka) on printed form "Paratype / *I.[ratsume] orsedice kyushuensis / Fujioka, 1975.*"

***langhami* Romei, 1927**

"*Agriades thetis*, Rott. ... race ... *langhami*" Romei, 1927a: 128.

Holotype:

- ♂ with labels: printed "NUEVA CASTILLA (Cuenea [sic !]) / Huelamo 1200 m. / 26.8.1926 Querci (on white paper, folded); handwritten "433" (on crosslined notebook paper); handwritten on printed form "TYPE / *A.[griades] thetis Rott. / langhami Romei*" (on dark red stiff paper).

Paratype:

- ♀ with labels: printed "NUEVA CASTILLA (Cuenca) / Villacabras 1200 m. / 1.9.1926 Querci (on white paper, folded); handwritten "436" (on crosslined notebook paper); handwritten on printed form "TYPE / *A.[griades] thetis Rott. / langhami Romei*" (on dark red stiff paper).

***lenzeni* Forster, 1941**

"*Celastrina gigas* Hemm. *lenzeni* ssp. nov." Forster, 1941: 609, Taf. 19, Abb. 7, 8; Taf. 20, Abb. 7, 8.

Holotype:

- ♂ with labels: printed "Tapaishan im Tsiling / Sued-Shensi. — Ca. 1700 m. / 29.4.1936 H. Höne" (on red paper); handwritten (Forster) on printed form "Holo-Type ♂ / *Celastrina gigas / lenzeni Forst. / W. Forster München.*" (on pink paper).

Allotype:

- ♀ with same locality label, 20.4.1935; handwritten (Forster) on printed form "Allo-Type ♀ / *Celastrina gigas / lenzeni Forst. / W. Forster München*; handwritten (pencil) label "Celastrina / *hersilia* (Leech) / det: J. N. Eliot" (recto), "Korrespondenz / 24.10.1980" (verso).

Paratypes:

- 6♂ with same locality labels; handwritten (Forster) on printed form “Para-Type ♂ / *Celastrina gigas* / *lenzeni* Forst. / W. Forster München” (on pink paper); two of them bear handwritten (pencil) label: “*Celastrina* / *sugitanii* (Mat.) / det. J. N. Eliot” (recto), “Korrespondenz / 24.10.1980” (verso); “*Celastrina* / *hersilia* (Leech) / det.: J. N. Eliot” (recto), “Korrespondenz / 24.10.1980” (verso).

***lucida* Forster, 1942**

“*Orthomiella lucida* spec. nov.” Forster, 1942: 580.

Holotype:

- ♂ with labels: printed “Kuantun (2300 m) 27, 40n. Br. / 117, 40ö. L. J. Klapperich / 2.4.1938 (Fukien)” (on pale pink paper); handwritten (Forster) on printed form “Holo-Typus ♂ / *Orthomiella lucida* Forst. / W. Forster München” (on pink paper).

Paratypes:

- 9♂ with same locality labels (different dates) and handwritten (Forster) on printed form “Para-Type ♂ / *Orthomiella lucida* Forst. / W. Forster München” (on pink paper).

***luxurians* Forster, 1940**

“*Polyommatus (Albulina) orbitulus (pheretes auct.) luxurians* var. nov.” Forster, 1940: 880.

Syntypes:

- 61♂, 15♀ with labels: printed “Li-kiang. (China). / Provinz Nord Yuennan. / (dated 29.5.–18.8.1935). H. Höne” (on yellow paper); handwritten (Forster) on printed form “Cotypus ♂ (♀) / *Albulina orbitulus* / var. *luxurians* Forst. / W. Forster München.” (on pink paper).

***magnificus* Bálint, 1987**

“*Plebejus (Plebejides) sephirus magnificus* ssp. n.” Bálint, 1987: 101.

Paratype:

- ♂ with labels: printed “Macedonia / Ohrid Petrina / 6.6–7.7.1935 / Wolfschäger” (on white paper, in box); handwritten “24.6.[19]35 / Petrina” (on white paper); printed “Slg.

E. Griep / Eing. Nr. 1, 1955" (on white paper); handwritten (Bálint) on printed (in red ink) form "Paratypus ♂ / P[*lebejus*] *sephirus* / *materteresa* (recto) / Zs. Bálint, / 1987 (verso) (on white paper).

melconi Querci

Unpublished.

Holotype:

- ♂ with labels: printed "NUEVA CASTILLA (Cuenca) / Villacabras 1200 m. / 29 May 1928 Querci" (on white paper); handwritten (Querci?) "Type de Melconi Querci"; printed "Typus" (on red paper). — *Glaucoopsyche alexis* (Poda, 1761).

Paratype:

- ♀ with labels: printed "NUEVA CASTILLA (Cuenca) / Huelamo 1200 m. / 31 May 1928 Querci (on white paper); handwritten (Querci?) "Melconi ♀ paratype"; printed "Al-lotype" (on red paper). — *Glaucoopsyche alexis* (Poda, 1761).

***montanabella* Verity, 1928**

"*Aricia medon* ... race ... *montanabella*" Verity, 1928: 180.

Syntypes:

- ♂ with labels: printed "NUEVA CASTILLA (Cuenca) / Villacabras 1200 m. / 1 9.1926 Querci" (on white paper, folded); handwritten "665" (on crosslined notebook paper); handwritten on printed form "TOPOTYPE / taken with type / A [*ricia*] *medon* / *montanabella* / *Verity*." (on green paper).
- ♀ with labels: printed "NUEVA CASTILLA (Cuenca) / Villacabras 1200 m. / 4. 9.1926 Querci" (on white paper, folded); handwritten "666" (on crosslined notebook paper); handwritten on printed form "TOPOTYPE / taken with type / A.[*ricia*] *medon* / *montanabella* / *Verity*." (on green paper).

In case whether the specimen was labelled as "topotype taken with type", this "topotype" designation suggests its paratype status unless the author deliberately limited the type series to contain specimens by his choice. The type series in the Museo Zoologica

de la Specola (Florence) contains 23♂ and 13♀ syntype specimens from Huelamo (6.VIII.–8.IX.1926) and Villacabras (13.VII.–8.IX.1926) collected by Querci (Kudrna, 1983: 32–33). The above two specimens, that undoubtedly belong to the type series, were forwarded by Verity to de Sagarra who designated these syntypes as “topotypes”.

***morroneis* Ribbe, [1910]**

“*Lycaena idas* Rbr. [v.] *morroneis*” Ribbe, [1910]: 190.

Syntypes:

- ♂ with handwritten label “S. Spanien / Sierra / España / [19]09 Korb”.
- ♂ with handwritten label “Lyc.[aena] idas ♂ / Sierra España / 1909 Korb”.
- ♀ with handwritten label “Lyc.[aena] idas ♀ / Sierr. España [sic !] / 1909 Korb”.

In evidence that these specimens belong to the sample that served Ribbe as type material, a quotation from the original description follows (Ribbe, [1910]: 190): “Sehr interessant war mir nun von Korb zu hören, dass er 1909 in der Serra de España in Murcia, auf dem Gipfel des Morrón in einer Höhe von 2000 m im Juli idas gefangen habe. Vor kurzer Zeit erhielt ich einige Stücke aus diesem Gebirge von Korb und kann folgendes feststellen. ... Alle diese Merkmale scheinen konstant zu sein, und schlage ich daher für die murcianischen idas den namen **morroneis** vor.”

morroneis Ribbe, [1910] is the oldest available name for preoccupied *idas* Rambur [1840] — see *ramburi* Verity, 1913 below.

These specimens are signified now with printed labels “*morroneis* Ribbe [1910] / SYNTYPUS / Y. Nekrutenko det. 1997” (on yellow paper).

***nahizerica* Eckweiler, 1978**

“*Aricia teberdina nahizerica* ssp. n.” Eckweiler, 1978: 115, Abb. 1–4.

Paratypes:

- ♂, 2♀ with printed labels: “Türkei/Erzurum / Ispir/Nahizer / 1700–1900 m / 4.8.–8.8.[19]77 / leg. ECKWEILER”

(on white paper); "Paratypus ♂ (♀) / *Aricia teberdina* ssp. / *nahizerica* / des.[ignavit] ECKWEILER 1978" (on red paper); male and one of female paratypes bear a circle printed label with yellow margin "Para- / type".

nevadensis Züllich, 1928

"*Lycaena nevadensis* n. sp." Züllich, 1928: 73, Taf. 5, Figs. 2, 7–10. Preoccupied name replaced by *zulichii* Hemming, 1933: 277 — see below.

Syntype:

- ♀ with labels: printed "HISPANIA / SIERRA NEVADA / 2400 M 12.VII.1926" (on white paper); printed "9/57, ex coll. / R. Oberthür (on blue paper); handwritten (Züllich ?) "Cotype ♀ / *Lyc[aena]* *nevadensis* Züllich / Z.[eitschrift] d.[es] ö.[sterreichischen] E.[ntomologen-] V.[ereines] XIII[.] J.[ahrgang] p. 73. 1928" (recto), "Züllich" (verso) (on red paper). The specimen pinned underside up.

noguerae de Sagarra, 1924

"*Hirsutina damon*, Schiff. rassa *noguerae*, nova rassa" de Sagarra, 1924: 203.

Paratypes:

- ♀ with labels: printed "ARAGON / Noguera m. 1700 / 2 VII.[19]24 Romei" (on white paper); printed "9/57 ex coll. / R. Oberthür" (on blue paper); handwritten "118" (on crosslined notebook paper); handwritten on printed form "TOPOTYPE / taken with type / *H.[irsutina]* *damon* Schiff. / *noguerae* Sag." (on green paper).
- ♂ with labels: printed "ARAGON / Orihuela m. 1700 / 15 VII.[19]24 Querci" (on white paper); printed "9/57 ex coll. / R. Oberthür" (on blue paper); handwritten on printed form "TOPOTYPE / taken with type / *H.[irsutina]* *damon* Schiff. / *noguerae* Sag." (on green paper).

In case whether the specimen was labelled as "topotype taken with type", this "topotype" designation suggests its paratype status unless the author deliberately limited the type series to contain specimens by his choice. The original description provides following data: "Tipus de Noguera (Aragó), 1.400 mts., 31-VII-19124, [en Col. Mus. Cièn. Nat. Barcelona]. Romei leg."

***nuksani* Forster, 1937**

“*Lycaena candalus nuksani* ssp. nov.” Forster, 1937: 62, Taf. 4, Abb. 1–3.

Paratype:

- ♂ with labels: printed “Nord-Ost-Hindukusch / Nuksan-Pass-Nordseite / Alpenwissenzone / 3500–4000 m Mitte Juli / leg. H. & E. Kotsch” (on white paper); handwritten (Forster): on printed form “Para-Type / *Lyc.[aena] candalus* / *nuksani* Forst. / W. Forster München”.

***patungkoanui* Murayama, 1956**

“*Japonica lutea patungkoanui* ssp. nov.” Murayama, 1956: 13, Figs. 3, 7, 8.

Paratype:

- ♂ with labels: written (unknown hand) “Zentral Formosa / Sankakuho / 23.VI.1942 / leg. Murayama” (on white paper); printed “Paratypus” (on red paper, in box); handwritten (Murayama) “Sankakuho / Zentralformosa / 23.VI.1942” and “*Japonica lutea* / *patungkoanui* ♂ / PARATYPUS” (both on glassine paper, folded).

***paupercula* de Sagarra, 1924**

“*Loweia alciphron*, Rott. rassa *paupercula*, nova rassa” de Sagarra, 1924: 201.

Paratype:

- ♂ with labels: printed “ARAGON / Orihuela m. 1700 / 10.VII.[19]24 Querci”; handwritten “594” (on crosslined notebook paper); handwritten on printed form “PARATYPE / *L. [oweia] alciphron* Rott. / *paupercula* Sag.”

***pauperella* de Sagarra, 1926**

“*Glaucopsyche cyllarus* Rott. rassa *pauperella*, nova rassa” de Sagarra, 1926: 138.

Paratypes:

- ♂ with labels: printed “CATALONIA / Llinas 200 m. / 3.6.[19]25 Querci” (on white paper); printed “9/57 ex coll. / R. Oberthür” (on blue paper); written “481” (on crosslined notebook paper); handwritten on printed form “TOPO-TYPE / taken with type/ *G.[laucopsyche] cyllarus* Sag. [sic !] / *pauperella* Sag.” (on green paper).
- ♀ with labels: printed “CATALONIA / Llinas 200 m. / 2.6.[19]25 Querci” (on white paper); printed “9/57 ex coll. /

R. Oberthür" (on blue paper); written "482" (on crosslined notebook paper); handwritten on printed form "TOPO-TYPE / taken with type/ *G.[laucopsyche] cyllarus Rott. / pauperella Sag.*" (on green paper).

In case whether the specimen was labelled as "topotype taken with type", this "topotype" designation suggests its paratype status unless the author deliberately limited the type series to contain specimens by his choice. The original description provides following data (p. 139): "Serie tipica procedent de Llinàs, VI. (Querci leg.) i dels voltants de Barcelona, V."

perrettei Weiss, 1977

"*Lycaena helle perrettei* subspecies nova" Weiss, 1977: 255 (fig. p. 254).

'Paratypes':

- ♂ with labels: handwritten (Weiss) in printed form "Gérardmer / Vosges / 600 m 1.VII.[19]80 / Coll. J. C. Weiss" (on white paper); handwritten on printed box "PARATYPUS (highlighted with a red marker) *Lycaena helle* / ssp. *perrettei* / Coll. J. C. Weiss et Lucette W.[eiss]" (on white paper).
- ♂ with labels: handwritten on printed form "Haut du Tô't / Vosges / 800 m / 1.VII.[19]75 Coll. Weiss" (on white paper); same designation label.
- ♂ with labels: handwritten on printed form "Haut du Tô't / Vosges / 800 m / 28.5.[19]75 Coll. Weiss" (on white paper); handwritten on printed box "METATYPE (highlighted with a red marker) *L.[ycaena]* / ssp. *perrettei* / Det. J. C. WEISS" (on white paper).

Though designated as paratypes and "metatype" (?), none of these specimens represent the type series (cf. type material data as given in the original description — Weiss, 1977: 255). Subsequent paratype designation, not available. These specimens represent the topotypical population and should be considered as topotypes.

praemerisina Lorković, 1943

"*E.[veres] argiades merisina* gen. vern. *praemerisina* n." Lorković, 1943: 451, Taf. 25, Abb. 12; Taf. 26, Abb. 11 — infrasubspecific name.

Paratype:

- ♀ with labels: printed with inscribed date “Ling ping / Südchina / V.1922 / H. Höne (on white paper); handwritten (Forster – sic !) on printed form “Para-Typus ♀ / *Everes argiades* / *praemerisina* Lorkovič” (on pink paper).

***praetextatus* Fujioka, 1992**

“*Laeosopis praetextatus* Fujioka, sp. nov.” Fujioka, 1992: 13 (Japanese text), 18 (English translation), Figs. 6B, 7–10.

Holotype:

- ♀ with labels: printed (type writer) “Minshan, Shensi / 7, VII, 1987”; a circle printed label with red margin “Holo- / type”; handwritten (Fujioka) “Holotype / *Laeosopis praetextatus* / Fujioka, 1992”; handwritten (Ackery) “HOLO- / TYPE / *Laeosopis* / *hoenei* D’Abrera / det. P. Ackery, 1994” and “HOLOTYPE / *Laeosopis praetextatus* / Fujioka / det. P. Ackery, 1994).

‘Allotype’:

- ♂ with printed labels: “Jiuzhaigou mt. 2250 / north Sichuan / 14.VII.1994 – CHINA / Leg. E. Giacomazzo” (on white paper); “Museum A. Koenig / Eing. Nr. 96/494 / ex. Coll.” (on white paper, in box); “*Artopoetes praetextatus* / Fujioka, 1992 / ALLOTYPUS” (on red paper). — Subsequent allotype designation, not available (cf. Bozano et al., 1995: 15, Fig. 7, 8; ICZN, 72A).

***pseudolorquini* Verity, 1925**

“*Cupido sebrus*, B. ... race ... *pseudolorquini*, mihi” Verity, 1925: 76.

Syntypes:

- ♂ with labels: printed “ARAGON / Albarracin m. 1100 / 2.VI.[19]24 Querci” (on white paper); printed “9/57 ex coll. / R. Oberthür” (on blue paper); written “624” (on crosslined notebook paper); handwritten on printed form “PARATYPE / *C.[upido] sebrus* Hb. / *pseudolorquini* Ver.” (on blue-green paper).
- ♀ with labels: printed “ARAGON / Albarracin m. 1100 / 29.VI.[19]24 Querci” (on white paper); printed “9/57 ex coll. / R. Oberthür” (on blue paper); written “628” (on crosslined notebook paper); handwritten on printed form

“PARATYPE / *C.[upido] sebrus* Hb. / *pseudolorquini*
Ver.” (on blue-green paper).

The type series in the Museo Zoologica de la Specola (Florence) contains 4♂ and 3♀ syntype specimens from Albarracin (7.–23.VI.[19]24) collected by Querci (Kudrna, 1983: 37). The above two specimens, that undoubtedly belong to the type series, were forwarded by Verity to de Sagarra who designated these syntypes as “paratypes”.

***ramburi* Verity, 1913**

— see *idas* Rambur, [1840] and *morronensis* Ribbe, [1910] above (ICZN Art. 72(e)).

“In any case it will be found necessary to alter the name [*Lycaena*] *idas* given by Rambur to a Spanish species of the same genus, and it may be dedicated to its author under that of *ramburi*” (Verity, 1913: 189); “*Lycaena ramburi*, nom. nov. [pro] *Lycaena idas*, Ramb. [non *Lycaena idas*, L.]” (Verity, 1913: 191).

***septentrionalis* Forster, 1941**

“*Celastrina huegelii* Moore *septentrionalis* ssp. nov.” Forster, 1941: 600, Taf. 19, Abb. 15, 16; Taf. 20, Abb. 15, 16.

Holotype:

- ♂ with labels: printed “Min-Shan (Prov. Shansi) / Mittlere Höhe ca. 1500 m / 20.5.1937. H. Höne” (on greenish paper); handwritten (Forster) on printed form “Holo-Type ♀ / *Celastrina huegelii* / *septentrionalis* Forst. / W. Forster München” (on pink paper).

Allotype:

- ♀ with same locality label as holotype (18.V.1937); handwritten (Forster) on printed form “Allo-Type ♀ / *Celastrina huegelii* / *septentrionalis* Forst. / W. Forster München” (on pink paper).

Paratypes:

- 402♂, 16♀ with same locality labels as allotype (different dates: 18.V.–3.VI.1937); with printed labels “Para-Typus ♂ (♀) / *Celastrina hegeleii* / *septentrionalis* Forster / W. Forster München” (on pink paper).

***sinensis* Elwes, 1887**

“*Chilades sinensis*, n. sp.” Elwes, 1887: 446 (“Described from a [male] specimen taken by Mr. H. Leech near Nongpo...”).

'Allotype':

- ♀ with labels: printed with handwritten inscription "Ost Tien-mu-shan / Prov. Chekiang / 24.4.1921 H. Höne" (on white paper); handwritten (Forster) on printed form "Allo-Type ♀ / Orthomiella / sinensis Elw. / W. Forster München" (on pink paper). — Subsequent allotype designation, not available, not published (cf. Forster, 1941: 626; ICZN, 72A).

***tetrica* de Sagarra, 1925**

"*Raywardia telicanus*, Lang. rassa *tetrica*, nova rassa" de Sagarra, 1925: 45.

Paratypes:

- ♂ with labels: printed "CATALONIA / Llinas 200 m. / 25.9.[19]25 Querci" (on white paper); handwritten "611" (on crosslined notebook paper); printed "9/57 ex coll. / R. Oberthür (on blue paper); handwritten (de Sagarra?) on a printed form "PARATYPE / *L.[ampides] telicanus* Lang / *tetrica* Sag." (on blue paper).
- ♀ with labels: printed "CATALONIA / Llinas 200 m. / 5.9.[19]25 Querci" (on white paper); handwritten "612" (on crosslined notebook paper); printed "9/57 ex coll. / R. Oberthür (on blue paper); handwritten (de Sagarra?) on a printed form "PARATYPE / *L.[ampides] telicanus* Lang / *tetrica* Sag." (on blue paper).

***tibetanus* Lorković, 1943**

"*E[veres] argiades tibetanus* n." Lorković, 1943: 451, Taf. 25, Abb. 14, 15; Taf. 26, Abb. 13, 14.

Holotype:

- ♂ with labels: printed "Batang. (Tibet). Im Tal / des Yangtze (ca. 2800 m) / 23.5.1936 H. Höne" (on dirty white paper); handwritten (Forster – sic!) on printed form "Holo-Typus ♂ / *Everes argiades* Pall. / *tibetanus* Lorković" (on pink paper).

Allotype:

- with same locality label (14.8.1936); handwritten (Forster – sic!) on printed form "Allo-Typus ♀ / *Everes argiades* Pall. / *tibetanus* Lorković" (on pink paper).

Paratypes:

- 2♂, 19♀ with same locality labels (different dates); handwritten (Forster – sic!) on printed form “Para-Typus ♂ / *Everes argiades* / *thibetanus* Lorkovič” (on pink paper).

***togakusiensis* Murayama, 1964**

“*Lycaeides subsolanus togakusiensis* ssp. nov.” Murayama, 1964: 36, Taf. 4, Fig. 6–9).

Paratypes:

- ♂, ♀ with labels: handwritten (unknown hand) “Mt Tugakusi (1911 m) / Pref. Nagano, Japan / 18.VII.1962 / leg. Murayama” (on white stiff paper); “Paratypus” (on red paper, in box); handwritten (Murayama) on glassine paper (folded) “Mt. Togakusi (1911 m) / Pref. Nagano / Japan / 18.VII.1962” ♂ bears a handwritten (Murayama) label on glassine paper “*Lycaeides subsolanus* / *togakusiensis* / PARATYPE”.

***volpii* Romei, 1927**

“*Zizera lysimon* Hb. razza *Volpii* n. f.” Romei, 1927b: 275.

Holotype:

- ♂ with labels: printed “TRIPOLITANIA / Sidi Mersi m. 30 / 01.VI.[19]24 Ederli” (on white paper); handwritten “619” (on crosslined notebook paper); handwritten (Romei ?) on printed form “TYPE / *L.[ycaena] lysimon* Hb. / *volpii* Romei” (on deep red paper); printed “9/57 ex coll. R. Oberthür” (on blue paper).

Allotype:

- ♀ with labels: printed “TRIPOLITANIA / Sidi Mersi m. 30 / 13.8.[19]25 Ederli” (on white paper); handwritten “624” (on crosslined notebook paper); handwritten (Romei ?) on printed form “TYPE / *L.[ycaena] lysimon* Hb. / *volpii* Romei” (on deep red paper); printed “9/57 ex coll. R. Oberthür” (on blue paper).

Paratype:

- ♂ with same labels except date on locality label (19.8[19]25), “621” and “PARATYPE / *VOLPII* / *Romei*” (on blue paper).

***yatsugatakensis* Murayama, 1954**

“*Atropoetes pryeri* subsp. n. *yatsugatakensis*” Murayama, 1954: 33–35 (not seen).

Paratypes:

- ♂ with labels: handwritten (unknown hand) “Nagano Pref. / 23.VII.1948 / leg. Kamikochi (on white paper); handwritten (Murayama) “♂ Kamikochi / Nagano Pref. / 23.VII.1948 / ♀ Mt. Yatsugadake / Nagano 15.VII.[19]50” (on glassine paper, folded); handwritten “♂” (on glassine paper); printed “Paratype” (on red paper, in box).
- ♀ with labels: handwritten (unknown hand) “Mt. Yatsugadake / Nagano / 15.VII.1950 / leg. Kamikochi”; handwritten (Murayama) “*Atropoetes pryeri* / *yatsugadakensis* / PARATYPE ♂, ♀” (on glassine paper, folded); printed “Paratype” (on red paper, in box).

***zulichii* Hemming, 1933**

(recte: *zuellichii*) — see *nevadensis* Züllich, 1928 above (ICZN Art.72(e)).

“*Agricides zulichii* nom. nov. pro *Lycaena nevadensis* Züllich... a homonym of *Lycaena argus* Linn. var. *nevadensis* Oberth.” (Hemming, 1933: 277).

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References

BÁLINT, Zs., 1987. Description of a new subspecies of *Plebejus* (*Plebejides*) *sephirus* FRIVALDSZKY, 1835 from Macedonia with short note on the *pylaon*-complex (Lepidoptera: Lycaenidae). — *Ber. Kreis.nürnb.Ent.Galathaea* 3(4): 98–108.

- BOZANO, G. C., 1996a. New or little known butterflies from China. — *In*: Koiwaya, S. (ed. & publ.). Studies of Chinese [sic!] butterflies. Tokyo. 3: 205–210, Col. pl.
- BOZANO, G. C. 1996b. *Satyrium giacomazzo* spec. nov. from Shaanxi, China (Lepidoptera, Lycaenidae, Theclinae). — *Atalanta* (Würzburg) 27(1/2): 329–332, pl. 7b.
- BOZANO, G. C., DELLA-BRUNA, C. GALLO, E. & GIACOMAZZO, E., 1995. An annotated list of Theclini butterflies collected in Sichuan, China. — *Butterflies* 12: 13–18.
- D'ABRERA, B., 1993. Butterflies of the Holarctic region. Part III. Nymphalidae (concl.), Libytheidae, Riodinidae & Lycaenidae. — Hill House; Victoria, Australia. — i–vii, 335–524 p.
- ECKWEILER, W., 1978. Zwei Lycaeniden-Neufunde aus Nordostanatolien. — *Nota lepid.* 1(3): 115–118.
- ECKWEILER, W. & HESSELBARTH, G., 1978. Eine neue Unterart von *Agriades pyrenaicus* Boisduval aus Ostanatolien (Lepidoptera, Lycaenidae). — *NachrBl.bayer.Ent.* 27(4): 65–68.
- ELWES, H. J., 1887. Description of some new Lepidoptera from Sikkim. — *Proc.zool.Soc.Lond.* 30: 444–447.
- FORSTER, W., 1937. Liste der von H. und E. Kotzsch im Hindukusch erbeuteten Lycaeniden. — *Mitt.münch.ent.Ges.* 27(1): 57–64, Taf. 4, 5.
- FORSTER, W., 1940. Neue Lycaeniden-Formen aus China. I. — *Mitt. münch. ent.Ges.* 30: 870–883, Taf. 22–24.
- FORSTER, W., 1941. Neue Lycaeniden-Formen aus China. II. — *Mitt. münch. ent.Ges.* 31: 593–627, Taf. 19–22.
- FORSTER, W., 1942. Neue Lycaeniden-Formen aus China. III. — *Mitt. münch. ent.Ges.* 32: 579–580, Taf. 16.
- FORSTER, W., 1951. Die Riodiniden der Ausbeuten Dr. Hönes aus China. — *Z.wien.ent.Ges.* 36: 62–66, Taf. 4, 5.
- FRUHSTORFER, H., 1917. Neue Lycaeniden. — *Ent.Rdsch.* 34(3): 16–18.
- FUJIOKA, T., 1975. Butterflies of Japan [vol. 1]. — 312 p., 137 col. pls. (In Japanese; the description of new taxa translated in English on pp. 280–283).
- FUJIOKA, T., 1992. *Zephyrus* (Theclini butterflies) in the world (2) – Genus *Ussuriana* and *Laeosopsis*. — *Butterflies* 2: 3–18 (In Japanese, English summary).
- HEMMING, F., 1927. A new European Lycaenid: *Turania amelia* nov. sp. — *Entomologist* 60: 277.
- HEMMING, F., 1929. Revision of the *baton* group of the genus *Turanana* Bethune-Baker, with an account of an unrecognized species, *T. vicrama* Moore. — *Entomologist* 62: 27–34, 60–64, 84–89, 2 pls.
- HEMMING, F., 1933. Holarctic butterflies: miscellaneous notes on nomenclature. — *Entomologist* 66: 275–279.
- HORN, W. & SCHENKLING, S., 1928. Index Litteraturae Entomologicae. Serie I: Die Welt-Literatur über die gesamte Entomologie bis inklusive 1863. Bd. III. Leconte-Schaum. Walter Horn, Berlin-Dahlem. S. 705–1056, Taf. 3.

- HOWARTH, T. G., 1957. A revision of the genus *Neozephyrus* Sibatani and Ito (Lepidoptera: Lycaenidae). — *Bull.br.Mus.(Nat.Hist) Ent.* 5(6): 233–272, 105 figs.
- ICZN — International Code of Zoological Nomenclature. Third edition adopted by the XX General Assembly of the International Union of Biological Sciences. — Intern. Trust Zool. Nomencl., Brit. Mus. (Nat. Hist.), London; Univ. Calif. Press, Los Angeles, 1985. 338 p.
- KOÇAK, A. Ö., 1980. Studies on the family Lycaenidae III. Review of the subspecies of *Agrodiaetus (Sublysandra) myrrhus* (Herrich-Schäffer, 1852). — *Atalanta* (Würzburg) 11(4): 262–272, 14 figs.
- KUDRNA, O., 1983. An annotated catalogue of the butterflies (Lepidoptera: Papilionoidea) named by Roger Verity. — *J.Res.Lepid.* 1982, 21(1): 1–105.
- LEECH, J. H., 1893–1894. Butterflies from China, Japan, and Corea. Part 2. Lycaenidae, Papilionidae, and Hesperidae. — Porter; London. — pp. 298–417 (pp. 285–417 published January 1893; plates 1–47 are bound in a separate volume with title page dated 1892–1894).
- LORKOVIĆ, Z., 1943. Modifikationen und Rassen von *Everes argiades* Pall. und ihre Beziehungen zu der klimatischen Faktoren ihrer Verbreitungsgebiete. — *Mitt.münch.ent.Ges.* 33: 431–478, Taf. 23–27.
- MABILLE, P., 1872. Notice bibliographique sur les travaux du D^r P. Rambur. — *Annls Soc.ent.Fr.* 5(2): 307–312.
- MURAYAMA, S., 1952. On *Celastrina sugitanii* Mats. from Japan, with description of a new species and two [sic!] new aberrant forms. — *Butterflies and Moths* 3(1): 1–3.
- MURAYAMA, S., 1954. New subspecies of butterflies from Japan, with notes on some species — *New Entomologist* 3(4): 33–35 (not seen).
- MURAYAMA, S., 1956. Remarks on the races of *Japonica lutea* Hew., with description of a new race. — *Tyô to Ga* 7(2): 12–13 (In Japanese, English summary).
- MURAYAMA, S., 1964. Neue Tagfalterformen aus Japan und Korea. — *Z.wien.ent.Ges.* 49: 35–37, Taf. 4, 5.
- RAMBUR, [J.] P., [1840]. Faune entomologique de l'Andalousie. T. 2, Livr. 5. — Bertrand; Paris. — pp. 213–304, pls. 8, 10–12, 14, 15, 17, 18. ([March 1840] — for the date of publication see Mabille, 1872: 309–310, Rothschild, 1917: 24: 351–352, Schumacher, 1922: 206, Horn & Schenkling, 1928: 966).
- RIBBE, C., 1909–1912. Beiträge zu einer Lepidopteren-Fauna von Andalusien (Süd-Spanien). Macrolepidopteren. — *Dt.ent.Z.Iris* 23: 1–395, 2 Taf.
- ROMEI, E., 1927a. Notes on collecting in Spain in 1925–26. — *Entomologist's Rec.J.Var.* 39: 107–109, 127–129, 136–138.
- ROMEI, E., 1927b. Contribuzioni alle conoscenza di alcuni Lepidotteri della Tripolitania. — *Boll.Lab.zool.Portici* 20: 270–281.
- ROSE, K. & SCHURIAN, K., 1977. Beiträge zur Kenntnis der Rhopaloceren Irans 10. Beitrag: Neue Lycaeniden-Unterarten aus dem Südiran (Lep.). — *Ent.Z., Frankf.a.M.* 87(14): 145–151, ill.
- ROTHSCHILD [W.], Lord, 1917. Notes on Rambur's "Faune Entomologique de l'Andalousie" — *Novit.zool.* 24: 351–352.

- SAGARRA, I. DE, 1924. Noves formes de Lepidòpters Ibèrics. — *Bull.Inst. catalana Hist.nat.* 4(9): 198–204.
- SAGARRA, I. DE, 1925. Anotacions a la Lepidopterologia ibèrica. I, II. — *Bull.Inst.catalana Hist.nat.* 5(1): 45–49.
- SAGARRA, I. DE, 1926. Anotacions a la lepidopterologia ibèrica. IV(1). — *Bull.Inst.catalana Hist.nat.* 6(6-7): 128–139.
- SCHUMACHER, F., 1922. Die Cicadidae in Ramburs Fauna von Andalusien. — *Dt.ent.Z.* 2: 205–215.
- SHIRÔZU T. & MURAYAMA, S., 1943. On a new Lycaenid-Butterfly resembling *Thecla nivea* (Nire) from Formosa. — *Ent.World* 11(107): 1–4 (not seen).
- SIBATANI, A., SAIGUSA, T. & HIROWATARI, T., 1994. The genus *Maculinea* van Eecke, 1915 (Lepidoptera: Lycaenidae) from the East Palaearctic Region. — *Tyô to Ga* 44(4): 157–220, ills.
- VERITY, R., 1913. Revision of the Linnean types of Palaearctic Rhopalocera. — *J.Linn.Soc.* 32(215): 173–191.
- VERITY, R., 1925. Notes on Spanish Lepidoptera. — *Entomologist's Rec.J.Var.* 37: 76.
- VERITY, R., 1928. Distinction de quelques races de l'*Aricia medon* Hüfn. et de l'espèce différente *A. cramera* Ersch. [Lep. Lycaenidae]. — *Bull.Soc. ent.Fr.* 1928: 179–183.
- VERITY, R., 1929. Essai sur les origines des Rhopalocères européens et méditerranéens et particulièrement des Anthocharidi et des Lycaenidi du groupe d'*agestis* Schiff. — *Annls Soc.ent.Fr.* 98: 323–360.
- WEISS, J.-C., 1977. *Lycaena helle* Schiff et *Proclossiana eunomia* Esper dans les Vosges. Description d'une nouvelle sous-espèce de *Lycaena helle* Schiff. (Lepidoptera Lycaenidae). — *Linn.belg.* 6(10): 253–256.
- ZÜLLICH, R., 1928. *Lycaena nevadensis* n. sp. — *Z.öst.Ent.Ver.* 13(8): 73–75, Taf. 5.